

Jarrell, Noble

178582

From: Ramirez, Delia
Sent: Friday, February 03, 2006 2:32 PM
To: Jarrell, Noble
Subject: 10/675685

Hi,

I would like to request the following alignments:

1. SEQ ID NO: 3 against SEQ ID NO:7, 10 and 16
2. SEQ ID NO: 7 against SEQ ID NO:14 and 18

Thank you very much,

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70
Alexandria, VA 22314
(571) 272-0938
delia.ramirez@uspto.gov

Noble
Em 2/3/06
10 PR YAA
10 ONL gcg

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:17:20 ; Search time 0.001 Seconds
(without alignments)
0.684 Million cell updates/sec

Title: US-10-675-685-14
Perfect score: 178
Sequence: 1 VISQLLLVPLSQEHTYATYLSKIVLPSRWLV 36

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 19 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Pending Patents AA Main:US-10-675-685-7

- 1: /cgn2_6/ptodata/1/paa/US066 COMB.pap:US-10-675-685-7
- 2: /cgn2_6/ptodata/1/paa/US066 COMB.pap:US-10-675-685-7
- 3: /cgn2_6/ptodata/1/paa/US073 COMB.pap:US-10-675-685-7
- 4: /cgn2_6/ptodata/1/paa/US074 COMB.pap:US-10-675-685-7
- 5: /cgn2_6/ptodata/1/paa/US075 COMB.pap:US-10-675-685-7
- 6: /cgn2_6/ptodata/1/paa/US076 COMB.pap:US-10-675-685-7
- 7: /cgn2_6/ptodata/1/paa/US077 COMB.pap:US-10-675-685-7
- 8: /cgn2_6/ptodata/1/paa/US078 COMB.pap:US-10-675-685-7
- 9: /cgn2_6/ptodata/1/paa/US079 COMB.pap:US-10-675-685-7
- 10: /cgn2_6/ptodata/1/paa/US080 COMB.pap:US-10-675-685-7
- 11: /cgn2_6/ptodata/1/paa/US081 COMB.pap:US-10-675-685-7
- 12: /cgn2_6/ptodata/1/paa/US082 COMB.pap:US-10-675-685-7
- 13: /cgn2_6/ptodata/1/paa/US083 COMB.pap:US-10-675-685-7
- 14: /cgn2_6/ptodata/1/paa/US084 COMB.pap:US-10-675-685-7
- 15: /cgn2_6/ptodata/1/paa/US085 COMB.pap:US-10-675-685-7
- 16: /cgn2_6/ptodata/1/paa/US086 COMB.pap:US-10-675-685-7
- 17: /cgn2_6/ptodata/1/paa/US087 COMB.pap:US-10-675-685-7
- 18: /cgn2_6/ptodata/1/paa/US088 COMB.pap:US-10-675-685-7
- 19: /cgn2_6/ptodata/1/paa/US089 COMB.pap:US-10-675-685-7
- 20: /cgn2_6/ptodata/1/paa/US090 COMB.pap:US-10-675-685-7
- 21: /cgn2_6/ptodata/1/paa/US091 COMB.pap:US-10-675-685-7
- 22: /cgn2_6/ptodata/1/paa/US092 COMB.pap:US-10-675-685-7
- 23: /cgn2_6/ptodata/1/paa/US093 COMB.pap:US-10-675-685-7
- 24: /cgn2_6/ptodata/1/paa/US094 COMB.pap:US-10-675-685-7
- 25: /cgn2_6/ptodata/1/paa/US095 COMB.pap:US-10-675-685-7
- 26: /cgn2_6/ptodata/1/paa/US096 COMB.pap:US-10-675-685-7
- 27: /cgn2_6/ptodata/1/paa/US097 COMB.pap:US-10-675-685-7
- 28: /cgn2_6/ptodata/1/paa/US098 COMB.pap:US-10-675-685-7
- 29: /cgn2_6/ptodata/1/paa/US099 COMB.pap:US-10-675-685-7
- 30: /cgn2_6/ptodata/1/paa/US100 COMB.pap:US-10-675-685-7
- 31: /cgn2_6/ptodata/1/paa/US101 COMB.pap:US-10-675-685-7
- 32: /cgn2_6/ptodata/1/paa/US102 COMB.pap:US-10-675-685-7
- 33: /cgn2_6/ptodata/1/paa/US103 COMB.pap:US-10-675-685-7
- 34: /cgn2_6/ptodata/1/paa/US104 COMB.pap:US-10-675-685-7
- 35: /cgn2_6/ptodata/1/paa/US105 COMB.pap:US-10-675-685-7
- 36: /cgn2_6/ptodata/1/paa/US106 COMB.pap:US-10-675-685-7
- 37: /cgn2_6/ptodata/1/paa/US107 COMB.pap:US-10-675-685-7
- 38: /cgn2_6/ptodata/1/paa/US108 COMB.pap:US-10-675-685-7
- 39: /cgn2_6/ptodata/1/paa/US109 COMB.pap:US-10-675-685-7
- 40: /cgn2_6/ptodata/1/paa/US110 COMB.pap:US-10-675-685-7
- 41: /cgn2_6/ptodata/1/paa/US111 COMB.pap:US-10-675-685-7
- 42: /cgn2_6/ptodata/1/paa/US112 COMB.pap:US-10-675-685-7
- 43: /cgn2_6/ptodata/1/paa/US114 COMB.pap:US-10-675-685-7

44: /cgn2_6/ptodata/1/paa/US600 COMB.pap:US-10-675-685-7
45: /cgn2_6/ptodata/1/paa/US601 COMB.pap:US-10-675-685-7
46: /cgn2_6/ptodata/1/paa/US602 COMB.pap:US-10-675-685-7
47: /cgn2_6/ptodata/1/paa/US603 COMB.pap:US-10-675-685-7
48: /cgn2_6/ptodata/1/paa/US604 COMB.pap:US-10-675-685-7
49: /cgn2_6/ptodata/1/paa/US605 COMB.pap:US-10-675-685-7
50: /cgn2_6/ptodata/1/paa/US606 COMB.pap:US-10-675-685-7
51: /cgn2_6/ptodata/1/paa/US607 COMB.pap:US-10-675-685-7

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	14	7.9	19	36	US-10-675-685-7 Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-10-675-685-7
; Sequence 7, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PR0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-7

Query Match 7.9% Score 14; DB 36; Length 19;
Best Local Similarity 28.6% Pred. No. 0;
Matches 2; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 28 VALPSRW 34
Db 11 LAILAGW 17

Search completed: February 3, 2006, 15:17:20
Job time : 0.001 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:17:20 ; Search time 0.001 Seconds
(without alignments)
0.380 Million cell updates/sec

Title: US-10-675-685-18

Perfect score: 105
Sequence: 1 GQNNPAIAGGIVLSPAYYG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 19 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 2 summaries

Database : Pending Patents AA Main:US-10-675-685-7

- 1: /cgn2_6/ptodata/1/paa/US073 COMB.pap.US-10-675-685-7
- 2: /cgn2_6/ptodata/1/paa/US066 COMB.pap.US-10-675-685-7
- 3: /cgn2_6/ptodata/1/paa/US073 COMB.pap.US-10-675-685-7
- 4: /cgn2_6/ptodata/1/paa/US074 COMB.pap.US-10-675-685-7
- 5: /cgn2_6/ptodata/1/paa/US075 COMB.pap.US-10-675-685-7
- 6: /cgn2_6/ptodata/1/paa/US076 COMB.pap.US-10-675-685-7
- 7: /cgn2_6/ptodata/1/paa/US077 COMB.pap.US-10-675-685-7
- 8: /cgn2_6/ptodata/1/paa/US078 COMB.pap.US-10-675-685-7
- 9: /cgn2_6/ptodata/1/paa/US079 COMB.pap.US-10-675-685-7
- 10: /cgn2_6/ptodata/1/paa/US080 COMB.pap.US-10-675-685-7
- 11: /cgn2_6/ptodata/1/paa/US081 COMB.pap.US-10-675-685-7
- 12: /cgn2_6/ptodata/1/paa/US082 COMB.pap.US-10-675-685-7
- 13: /cgn2_6/ptodata/1/paa/US083 COMB.pap.US-10-675-685-7
- 14: /cgn2_6/ptodata/1/paa/US084 COMB.pap.US-10-675-685-7
- 15: /cgn2_6/ptodata/1/paa/US085 COMB.pap.US-10-675-685-7
- 16: /cgn2_6/ptodata/1/paa/US086 COMB.pap.US-10-675-685-7
- 17: /cgn2_6/ptodata/1/paa/US087 COMB.pap.US-10-675-685-7
- 18: /cgn2_6/ptodata/1/paa/US088 COMB.pap.US-10-675-685-7
- 19: /cgn2_6/ptodata/1/paa/US089 COMB.pap.US-10-675-685-7
- 20: /cgn2_6/ptodata/1/paa/US090 COMB.pap.US-10-675-685-7
- 21: /cgn2_6/ptodata/1/paa/US091 COMB.pap.US-10-675-685-7
- 22: /cgn2_6/ptodata/1/paa/US092 COMB.pap.US-10-675-685-7
- 23: /cgn2_6/ptodata/1/paa/US093 COMB.pap.US-10-675-685-7
- 24: /cgn2_6/ptodata/1/paa/US094 COMB.pap.US-10-675-685-7
- 25: /cgn2_6/ptodata/1/paa/US095 COMB.pap.US-10-675-685-7
- 26: /cgn2_6/ptodata/1/paa/US096 COMB.pap.US-10-675-685-7
- 27: /cgn2_6/ptodata/1/paa/US097 COMB.pap.US-10-675-685-7
- 28: /cgn2_6/ptodata/1/paa/US098 COMB.pap.US-10-675-685-7
- 29: /cgn2_6/ptodata/1/paa/US099 COMB.pap.US-10-675-685-7
- 30: /cgn2_6/ptodata/1/paa/US100 COMB.pap.US-10-675-685-7
- 31: /cgn2_6/ptodata/1/paa/US101 COMB.pap.US-10-675-685-7
- 32: /cgn2_6/ptodata/1/paa/US102 COMB.pap.US-10-675-685-7
- 33: /cgn2_6/ptodata/1/paa/US103 COMB.pap.US-10-675-685-7
- 34: /cgn2_6/ptodata/1/paa/US104 COMB.pap.US-10-675-685-7
- 35: /cgn2_6/ptodata/1/paa/US105 COMB.pap.US-10-675-685-7
- 36: /cgn2_6/ptodata/1/paa/US106 COMB.pap.US-10-675-685-7
- 37: /cgn2_6/ptodata/1/paa/US107 COMB.pap.US-10-675-685-7
- 38: /cgn2_6/ptodata/1/paa/US108 COMB.pap.US-10-675-685-7
- 39: /cgn2_6/ptodata/1/paa/US109 COMB.pap.US-10-675-685-7
- 40: /cgn2_6/ptodata/1/paa/US110 COMB.pap.US-10-675-685-7
- 41: /cgn2_6/ptodata/1/paa/US111 COMB.pap.US-10-675-685-7
- 42: /cgn2_6/ptodata/1/paa/US112 COMB.pap.US-10-675-685-7
- 43: /cgn2_6/ptodata/1/paa/US114 COMB.pap.US-10-675-685-7
- 44: /cgn2_6/ptodata/1/paa/US600 COMB.pap.US-10-675-685-7
- 45: /cgn2_6/ptodata/1/paa/US601 COMB.pap.US-10-675-685-7
- 46: /cgn2_6/ptodata/1/paa/US602 COMB.pap.US-10-675-685-7
- 47: /cgn2_6/ptodata/1/paa/US603 COMB.pap.US-10-675-685-7
- 48: /cgn2_6/ptodata/1/paa/US604 COMB.pap.US-10-675-685-7
- 49: /cgn2_6/ptodata/1/paa/US605 COMB.pap.US-10-675-685-7
- 50: /cgn2_6/ptodata/1/paa/US606 COMB.pap.US-10-675-685-7
- 51: /cgn2_6/ptodata/1/paa/US607 COMB.pap.US-10-675-685-7

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query

No.	Score	Match	Length	DB	ID	Description
1	20	19.0	19	36	US-10-675-685-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-10-675-685-7
; Sequence 7, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 7
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-7

Query Match 19.0%; Score 20; DB 36; Length 19;
Best Local Similarity 80.0%; Pred. No. 0;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 AIIAG 10
|||
Db 12 AIIAG 16

Search completed: February 3, 2006, 15:17:21
Job time : 1 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model
Run on: February 3, 2006, 15:09:35 ; Search time 1 Seconds
(without alignments)
5.685 Million cell updates/sec
Title: US-10-675-685-3
Perfect score: 9858
Sequence: 1 MMCLKILRISLAILAGWALC.....AADCDLDECTCRDPKAEHQ 1791

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 3 seqs, 3174 residues
Total number of hits satisfying chosen parameters: 3

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 3 summaries

Database : US10675685.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	9524	96.6	1770	1	US-10-675-685-10
2	7351	74.6	1385	1	US-10-675-685-16
3	94	1.0	19	1	US-10-675-685-7

ALIGNMENTS

RESULT 1
US-10-675-685-10
; Sequence 10, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-10

Query Match 96.6%; Score 9524; DB 1; Length 1770;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1734; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MMCLKILRISLAILAGWALCSANSELGWTRKKSLVEREHLNOVLLEGERCWLGAKVRRPR	60
Db	1	MMCLKILRISLAILAGWALCSANSELGWTRKKSLVEREHLNOVLLEGERCWLGAKVRRPR	60
Qy	61	ASPOHHLFGVYPSRAGNYLRYPVGEQEIHHTRGSKDPDTTEGNVSLVPPDLTENPAGLRG	120
Db	61	ASPOHHLFGVYPSRAGNYLRYPVGEQEIHHTRGSKDPDTTEGNVSLVPPDLTENPAGLRG	120
Qy	121	AVEEPAAPWVGDSPIGQSELLGDDDDAYLGNQSRKESIGEAGIQKGSAMAAATTTTTFITL	180
Db	121	AVEEPAAPWVGDSPIGQSELLGDDDDAYLGNQSRKESIGEAGIQKGSAMAAATTTTTFITL	180
Qy	181	NEKPEPOTRGWAKSROROVWKRRAEDGGDSGISSHFQFPWPKHSLKRVKSPPESEN	240
Db	181	NEKPEPOTRGWAKSROROVWKRRAEDGGDSGISSHFQFPWPKHSLKRVKSPPESEN	240
Qy	241	QNGEGSYREAEFTNSQVGLPILYFSGRRERLLLRPEVLAEIPREAFVTEAWVKPEGQON	300
Db	241	QNGEGSYREAEFTNSQVGLPILYFSGRRERLLLRPEVLAEIPREAFVTEAWVKPEGQON	300
Qy	301	NPAILIAGVFNCSHTVSDKGWALGIRSGDKGKRDAFFPSLCTDRVKKATILISHRYQ	360
Db	301	NPAILIAGVFNCSHTVSDKGWALGIRSGDKGKRDAFFPSLCTDRVKKATILISHRYQ	360
Qy	361	PGTWTHTVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGGDSSEHGHYFR	420
Db	361	PGTWTHTVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGGDSSEHGHYFR	420
Qy	421	GHGLTLVFWSTALPQSHFQSSQHSSEEEATDLVLTASPEPVNTWVPRDEKYPRLEV	480
Db	421	GHGLTLVFWSTALPQSHFQSSQHSSEEEATDLVLTASPEPVNTWVPRDEKYPRLEV	480
Qy	481	LQGFEPPEILSPLOPPPLCGQTVCDNVELISQYNGYPLRGEKVIRYQVYVNI CDDEGLNP	540
Db	481	LQGFEPPEILSPLOPPPLCGQTVCDNVELISQYNGYPLRGEKVIRYQVYVNI CDDEGLNP	540
Qy	541	IYSEEOIRLOHEALNEAFSRYNISWQSVHVNSTLRHVRVLNCEPSPKIGNDHCDPEC	600
Db	541	IYSEEOIRLOHEALNEAFSRYNISWQSVHVNSTLRHVRVLNCEPSPKIGNDHCDPEC	600
Qy	601	EHPLTGYDGDGDCRLOGRCYSWNRDGLCHVECNMNLNDFDDGCCDQVADVRKTCFDPD	660
Db	601	EHPLTGYDGDGDCRLOGRCYSWNRDGLCHVECNMNLNDFDDGCCDQVADVRKTCFDPD	660
Qy	661	SPKRAYMSVKELKEALQNLNSTHPLNIYFASSVREDLAGAATWPDWDAVTHLGGIVLSPA	720
Db	661	SPKRAYMSVKELKEALQNLNSTHPLNIYFASSVREDLAGAATWPDWDAVTHLGGIVLSPA	720
Qy	721	YVGMPGHTDTMIHEVGHVGLVHVFVGVSERESCDNPKETVPSMETGDLCAATAPTPKS	780
Db	721	YVGMPGHTDTMIHEVGHVGLVHVFVGVSERESCDNPKETVPSMETGDLCAATAPTPKS	780
Qy	781	ELCREPEPTSDTCGFRFPFCAPFTNYMSYTDNDCTDNFTPNQVARMHCYLDLYVQWTES	840
Db	781	ELCREPEPTSDTCGFRFPFCAPFTNYMSYTDNDCTDNFTPNQVARMHCYLDLYVQWTES	840
Qy	841	RKPTPIPIPPMWIGQTNKSLTIHWPPIISGVYVDRASGSLCGACTEDGTFRQVYHTASSR	900
Db	841	RKPTPIPIPPMWIGQTNKSLTIHWPPIISGVYVDRASGSLCGACTEDGTFRQVYHTASSR	900
Qy	901	RVCDSGSGYWTPEAAGVPPDQPCPSLQAWSPVHLVHMNMVTPCPTGSCSLLELLFQHP	960
Db	901	RVCDSGSGYWTPEAAGVPPDQPCPSLQAWSPVHLVHMNMVTPCPTGSCSLLELLFQHP	960
Qy	961	VQADTLTLWVTSFFMESSQVLFDETLLENKESVHLGPDITFCDIPLTIKLHVDGKVSQV	1020
Db	961	VQADTLTLWVTSFFMESSQVLFDETLLENKESVHLGPDITFCDIPLTIKLHVDGKVSQV	1020
Qy	1021	KVYTFDERIEIDAALITSQPHSPCLSGCRPVRYQVLRDPPFASGLPVVYTHSHRKTDVE	1080
Db	1021	KVYTFDERIEIDAALITSQPHSPCLSGCRPVRYQVLRDPPFASGLPVVYTHSHRKTDVE	1080

1081 VTPGQMYQYQVLAAGAGELGEASPLNHHGAPYCGDGKYSERLGECECDGDLVSGDGS 1140
 1081 VTPGQMYQYQVLAAGAGELGEASPLNHHGAPYCGDGKYSERLGECECDGDLVSGDGS 1140
 1141 KVCLEEGFNCVGPSPSLCYMYEGDGI CEFPERKTSI VDCGIYTPKGYLDQWATRAYSSHE 1200
 1141 KVCLEEGFNCVGPSPSLCYMYEGDGI CEFPERKTSI VDCGIYTPKGYLDQWATRAYSSHE 1200
 1201 DKKCPVSLVTGEPSHSLICTSYHDPDLNHRPLTCWFFCVASENETQDRSEQPEGSLKKE 1260
 1201 DKKCPVSLVTGEPSHSLICTSYHDPDLNHRPLTCWFFCVASENETQDRSEQPEGSLKKE 1260
 1261 DEVMLKVCFNRPGEARAFIFLTATDGLVPGHQOFTVTLXLDVVRGSHSLGTGYLSCQH 1320
 1261 DEVMLKVCFNRPGEARAFIFLTATDGLVPGHQOFTVTLXLDVVRGSHSLGTGYLSCQH 1320
 1321 NPLIINVTHTQNVLFPHHTSVLPNFSSPRVIGISAVARTSSRIGLSAPSNCSISEDEGONH 1380
 1321 NPLIINVTHTQNVLFPHHTSVLPNFSSPRVIGISAVARTSSRIGLSAPSNCSISEDEGONH 1380
 1381 QGQSCIHRPCQKQSDCSPLLDHADVNVCTSIGPLMKCAITCORGALQASSGOYIRPM 1440
 1381 QGQSCIHRPCQKQSDCSPLLDHADVNVCTSIGPLMKCAITCORGALQASSGOYIRPM 1440
 1441 QKEILLTCSGSHWDONVCLPVDGCVDPDPSLVNYANFSCSEGTKFLKRCISICVPPAKLQ 1500
 1441 QKEILLTCSGSHWDONVCLPVDGCVDPDPSLVNYANFSCSEGTKFLKRCISICVPPAKLQ 1500
 1501 GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLALLPHCLQDNHDVGTICKYCKPGY 1560
 1501 GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLALLPHCLQDNHDVGTICKYCKPGY 1560
 1561 YVAESAEGKVNKLLKIQCLEGGIWEQSGCIPVVCPEPPPVFEGMYECTNGFSLDSQCVL 1620
 1561 YVAESAEGKVNKLLKIQCLEGGIWEQSGCIPVVCPEPPPVFEGMYECTNGFSLDSQCVL 1620
 1621 NCNEREKPLILCTKEGLWTOEPKLCENLQCECPPPPSSELSNYSYKCEQGYGIGAVCSPL 1680
 1621 NCNEREKPLILCTKEGLWTOEPKLCENLQCECPPPPSSELSNYSYKCEQGYGIGAVCSPL 1680
 1681 CVIPSPDVPMLPENITADTLEHMEPVKQSVICTGRQWHPDPVLVHC1QSCE 1734
 1681 CVIPSPDVPMLPENITADTLEHMEPVKQSVICTGRQWHPDPVLVHC1QSCE 1734

RESULT 2
 US-10-675-685-16
 ; Sequence 16, Application US/10675685
 ; GENERAL INFORMATION:
 ; APPLICANT: Gu, Yizhong
 ; APPLICANT: Shannon, Mark
 ; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
 ; FILE REFERENCE: PB0114
 ; CURRENT APPLICATION NUMBER: US/10/675,685
 ; PRIOR FILING DATE: 2003-09-30
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; NUMBER OF SEQ ID NOS: 1881
 ; SOFTWARE: Aecmica Sequence Listing Engine
 ; SEQ ID NO 16
 ; LENGTH: 1385
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-675-685-16

Query Match 74.6%; Score 7351; DB 1; Length 1385;
 Best Local Similarity 76.9%; Pred. No. 0;
 Matches 1377; Conservative 1; Mismatches 7; Indels 406; Gaps 1;

1 MMCLKILRISLAILAGWALCSANSELGWTRKKSILVEREHLNQVLLGEGRCHWLCAKVRPR 60
 61 ASPQHILFGVYPSRAGNYLRYPYVGEQEIHHHTGRSKPDTTEGNAVSLVPPDLTENPAGLRG 120
 61 ASPQHILFGVYPSRAGNYLRYPYVGEQEIHHHTGRSKPDTTEGNAVSLVPPDLTENPAGLRG 120
 121 AVPEPAAPWVGDSPIGQSELLGGDDAYLGNQRKESLGEAGIQKGSMAATTTTATITTL 180
 121 AVPEPAAPWVGDSPIGQSELLGGDDAYLGNQRKESLGEAGIQKGSMAATTTTATITTL 180
 181 NEKPETQREGWAKSROROVWKRRAEDGGDSGISSHFQWPWPKHSLKHKVKKSPPEESN 240
 181 NEKPETQREGWAKSROROVWKRRAEDGGDSGISSHFQWPWPKHSLKHKVKKSPPEESN 240
 241 QNGEGSYREAEATFNSQVGLPILYFSGRRERLLRPEVLAEIPREAFVTEAWVKPEGQN 300
 241 QNGEGSYREAEATFNSQVGLPILYFSGRRERLLRPEVLAEIPREAFVTEAWVKPEGQN 300
 301 NPALIAGVFNCSTHTVSDKGWALGIRSGDKGKRDARFFFSCLCTDRVKKATILLISHRYQ 360
 301 NPALIA----- 306
 361 PGTWTHVAATYDGRHMALYVDGTOVASSLDQSGPLNSPFMASCRSLLLGGDSRSDGHYFR 420
 307 ----- 306
 421 GHGLTLVFNSTALPQSHFQHSQHSSEBEATDLVLTASFEFVNTWVPRDEKYRLEV 480
 307 ----- 306
 481 LQGFEPETLSPLOPPLCQQTCDNVNELISQYNGWYPLRGEKVIYQVNVICDEGLNP 540
 307 ----- 306
 541 IVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLHRVWLVNCEPSKIGNHCDPEC 600
 307 ----- 306
 601 EHLPTGYDGGDCRLQGRCYSNRRRDGLCHVECNMLNDFDGGCCDQVADVKTCTFDDP 660
 307 ----- 306
 661 SPKRAYMSVKELKEALQNLNSTHFLNIYFASSVREDLAGAATWPDKDAVTHLGGIVLSPA 720
 307 -----GGIVLSPA 314
 721 YYGNPCHTDMIHVGHVGLYHVFKGVSERESCNDPCKETVFSMETGDLCADTAPTPKS 780
 315 YYGNPCHTDMIHVGHVGLYHVFKGVSERESCNDPCKETVFSMETGDLCADTAPTPKS 374
 781 ELCREPEPTSDTCGTRFPGAPPTNYSYTDNCTDNFTNQVARMHCYLDLVYQQWTES 840
 375 ELCREPEPTSDTCGTRFPGAPPTNYSYTDNCTDNFTNQVARMHCYLDLVYQQWTES 434
 841 RKPTPIPPMWIGQTNKSLTIHMLPPIGVYVDRASGSLCGACTEDGTFRQVYHTASSR 900
 435 RKPTPIPPMWIGQTNKSLTIHMLPPIGVYVDRASGSLCGACTEDGTFRQVYHTASSR 494
 901 RVCDSGGYWTPEEAVGPPDQVQCEPSLQAWSPEVHLHYNNMTVPCPTEGCSLELLFQHP 960
 495 RVCDSGGYWTPEEAVGPPDQVQCEPSLQAWSPEVHLHYNNMTVPCPTEGCSLELLFQHP 554
 961 VQADTLTLWVTSFPMESSQVLFDTTEILLENKESVHLGPLDTFCDIPLTIKLVHVGKVS 1020
 555 VQADTLTLWVTSFPMESSQVLFDTTEILLENKESVHLGPLDTFCDIPLTIKLVHVGKVS 614
 1021 KYVTEDERIEIDAALLTSQPSHPLSCGRPVRYQVLRDPPFASGLPVVHTSHRKFTDVE 1080
 615 KYVTEDERIEIDAALLTSQPSHPLSCGRPVRYQVLRDPPFASGLPVVHTSHRKFTDVE 674
 1081 VTPGQMYQYQVLAAGAGELGEASPLNHHGAPYCGDGKYSERLGECECDGDLVSGDGS 1140
 675 VTPGQMYQYQVLAAGAGELGEASPLNHHGAPYCGDGKYSERLGECECDGDLVSGDGS 734

1 MMCLKILRISLAILAGWALCSANSELGWTRKKSILVEREHLNQVLLGEGRCHWLCAKVRPR 60

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:10:59 ; Search time 0.0119723 Seconds
(without alignments)
2.842 Million cell updates/sec

Title: US-10-675-685-7

Perfect score: 94

Sequence: 1 MMCLKILRISLAILAGWAL 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 1791 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1 summaries

Database : Pending Patents AA Main:US-10-675-685-3

- 1: /cgn2_6/ptodata/1/paa/PCTUS_COMB.pap:US-10-675-685-3
- 2: /cgn2_6/ptodata/1/paa/US066_COMB.pap:US-10-675-685-3
- 3: /cgn2_6/ptodata/1/paa/US073_COMB.pap:US-10-675-685-3
- 4: /cgn2_6/ptodata/1/paa/US074_COMB.pap:US-10-675-685-3
- 5: /cgn2_6/ptodata/1/paa/US075_COMB.pap:US-10-675-685-3
- 6: /cgn2_6/ptodata/1/paa/US076_COMB.pap:US-10-675-685-3
- 7: /cgn2_6/ptodata/1/paa/US077_COMB.pap:US-10-675-685-3
- 8: /cgn2_6/ptodata/1/paa/US078_COMB.pap:US-10-675-685-3
- 9: /cgn2_6/ptodata/1/paa/US079_COMB.pap:US-10-675-685-3
- 10: /cgn2_6/ptodata/1/paa/US080_COMB.pap:US-10-675-685-3
- 11: /cgn2_6/ptodata/1/paa/US081_COMB.pap:US-10-675-685-3
- 12: /cgn2_6/ptodata/1/paa/US082_COMB.pap:US-10-675-685-3
- 13: /cgn2_6/ptodata/1/paa/US083_COMB.pap:US-10-675-685-3
- 14: /cgn2_6/ptodata/1/paa/US084_COMB.pap:US-10-675-685-3
- 15: /cgn2_6/ptodata/1/paa/US085_COMB.pap:US-10-675-685-3
- 16: /cgn2_6/ptodata/1/paa/US086_COMB.pap:US-10-675-685-3
- 17: /cgn2_6/ptodata/1/paa/US087_COMB.pap:US-10-675-685-3
- 18: /cgn2_6/ptodata/1/paa/US088_COMB.pap:US-10-675-685-3
- 19: /cgn2_6/ptodata/1/paa/US089_COMB.pap:US-10-675-685-3
- 20: /cgn2_6/ptodata/1/paa/US090_COMB.pap:US-10-675-685-3
- 21: /cgn2_6/ptodata/1/paa/US091_COMB.pap:US-10-675-685-3
- 22: /cgn2_6/ptodata/1/paa/US092_COMB.pap:US-10-675-685-3
- 23: /cgn2_6/ptodata/1/paa/US093_COMB.pap:US-10-675-685-3
- 24: /cgn2_6/ptodata/1/paa/US094_COMB.pap:US-10-675-685-3
- 25: /cgn2_6/ptodata/1/paa/US095_COMB.pap:US-10-675-685-3
- 26: /cgn2_6/ptodata/1/paa/US096_COMB.pap:US-10-675-685-3
- 27: /cgn2_6/ptodata/1/paa/US097_COMB.pap:US-10-675-685-3
- 28: /cgn2_6/ptodata/1/paa/US098_COMB.pap:US-10-675-685-3
- 29: /cgn2_6/ptodata/1/paa/US099_COMB.pap:US-10-675-685-3
- 30: /cgn2_6/ptodata/1/paa/US100_COMB.pap:US-10-675-685-3
- 31: /cgn2_6/ptodata/1/paa/US101_COMB.pap:US-10-675-685-3
- 32: /cgn2_6/ptodata/1/paa/US102_COMB.pap:US-10-675-685-3
- 33: /cgn2_6/ptodata/1/paa/US103_COMB.pap:US-10-675-685-3
- 34: /cgn2_6/ptodata/1/paa/US104_COMB.pap:US-10-675-685-3
- 35: /cgn2_6/ptodata/1/paa/US105_COMB.pap:US-10-675-685-3
- 36: /cgn2_6/ptodata/1/paa/US106_COMB.pap:US-10-675-685-3
- 37: /cgn2_6/ptodata/1/paa/US107_COMB.pap:US-10-675-685-3
- 38: /cgn2_6/ptodata/1/paa/US108_COMB.pap:US-10-675-685-3
- 39: /cgn2_6/ptodata/1/paa/US109_COMB.pap:US-10-675-685-3
- 40: /cgn2_6/ptodata/1/paa/US110_COMB.pap:US-10-675-685-3
- 41: /cgn2_6/ptodata/1/paa/US111_COMB.pap:US-10-675-685-3
- 42: /cgn2_6/ptodata/1/paa/US112_COMB.pap:US-10-675-685-3
- 43: /cgn2_6/ptodata/1/paa/US114_COMB.pap:US-10-675-685-3

- 44: /cgn2_6/ptodata/1/paa/US600_COMB.pap:US-10-675-685-3
- 45: /cgn2_6/ptodata/1/paa/US601_COMB.pap:US-10-675-685-3
- 46: /cgn2_6/ptodata/1/paa/US602_COMB.pap:US-10-675-685-3
- 47: /cgn2_6/ptodata/1/paa/US603_COMB.pap:US-10-675-685-3
- 48: /cgn2_6/ptodata/1/paa/US604_COMB.pap:US-10-675-685-3
- 49: /cgn2_6/ptodata/1/paa/US605_COMB.pap:US-10-675-685-3
- 50: /cgn2_6/ptodata/1/paa/US606_COMB.pap:US-10-675-685-3
- 51: /cgn2_6/ptodata/1/paa/US607_COMB.pap:US-10-675-685-3

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	94	100.0	1791	36	US-10-675-685-3 Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-10-675-685-3
; Sequence 3, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-3

Query Match 100.0%; Score 94; DB 36; Length 1791;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCLKILRISLAILAGWAL 19
Db 1 MMCLKILRISLAILAGWAL 19
|||||
|||||

Search completed: February 3, 2006, 15:11:01
Job time : 0.0119723 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:10:59 ; Search time 1.11531 Seconds
(without alignments)
2.842 Million cell updates/sec

Title: US-10-675-685-10

Perfect score: 9702

Sequence: 1 MMCLKILRISLAILAGWALC.....HTYATYLSQKIVALPSRWLV 1770

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 1791 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1 summaries

Database : Pending Patents AA.Main:US-10-675-685-3

1: /cgn2_6/prodata/1/paa/US066 COMB.pap:US-10-675-685-3
2: /cgn2_6/prodata/1/paa/US066 COMB.pap:US-10-675-685-3
3: /cgn2_6/prodata/1/paa/US073 COMB.pap:US-10-675-685-3
4: /cgn2_6/prodata/1/paa/US074 COMB.pap:US-10-675-685-3
5: /cgn2_6/prodata/1/paa/US075 COMB.pap:US-10-675-685-3
6: /cgn2_6/prodata/1/paa/US076 COMB.pap:US-10-675-685-3
7: /cgn2_6/prodata/1/paa/US077 COMB.pap:US-10-675-685-3
8: /cgn2_6/prodata/1/paa/US078 COMB.pap:US-10-675-685-3
9: /cgn2_6/prodata/1/paa/US079 COMB.pap:US-10-675-685-3
10: /cgn2_6/prodata/1/paa/US080 COMB.pap:US-10-675-685-3
11: /cgn2_6/prodata/1/paa/US081 COMB.pap:US-10-675-685-3
12: /cgn2_6/prodata/1/paa/US082 COMB.pap:US-10-675-685-3
13: /cgn2_6/prodata/1/paa/US083 COMB.pap:US-10-675-685-3
14: /cgn2_6/prodata/1/paa/US084 COMB.pap:US-10-675-685-3
15: /cgn2_6/prodata/1/paa/US085 COMB.pap:US-10-675-685-3
16: /cgn2_6/prodata/1/paa/US086 COMB.pap:US-10-675-685-3
17: /cgn2_6/prodata/1/paa/US087 COMB.pap:US-10-675-685-3
18: /cgn2_6/prodata/1/paa/US088 COMB.pap:US-10-675-685-3
19: /cgn2_6/prodata/1/paa/US089 COMB.pap:US-10-675-685-3
20: /cgn2_6/prodata/1/paa/US090 COMB.pap:US-10-675-685-3
21: /cgn2_6/prodata/1/paa/US091 COMB.pap:US-10-675-685-3
22: /cgn2_6/prodata/1/paa/US092 COMB.pap:US-10-675-685-3
23: /cgn2_6/prodata/1/paa/US093 COMB.pap:US-10-675-685-3
24: /cgn2_6/prodata/1/paa/US094 COMB.pap:US-10-675-685-3
25: /cgn2_6/prodata/1/paa/US095 COMB.pap:US-10-675-685-3
26: /cgn2_6/prodata/1/paa/US096 COMB.pap:US-10-675-685-3
27: /cgn2_6/prodata/1/paa/US097 COMB.pap:US-10-675-685-3
28: /cgn2_6/prodata/1/paa/US098 COMB.pap:US-10-675-685-3
29: /cgn2_6/prodata/1/paa/US099 COMB.pap:US-10-675-685-3
30: /cgn2_6/prodata/1/paa/US100 COMB.pap:US-10-675-685-3
31: /cgn2_6/prodata/1/paa/US101 COMB.pap:US-10-675-685-3
32: /cgn2_6/prodata/1/paa/US102 COMB.pap:US-10-675-685-3
33: /cgn2_6/prodata/1/paa/US103 COMB.pap:US-10-675-685-3
34: /cgn2_6/prodata/1/paa/US104 COMB.pap:US-10-675-685-3
35: /cgn2_6/prodata/1/paa/US105 COMB.pap:US-10-675-685-3
36: /cgn2_6/prodata/1/paa/US106 COMB.pap:US-10-675-685-3
37: /cgn2_6/prodata/1/paa/US107 COMB.pap:US-10-675-685-3
38: /cgn2_6/prodata/1/paa/US108 COMB.pap:US-10-675-685-3
39: /cgn2_6/prodata/1/paa/US109 COMB.pap:US-10-675-685-3
40: /cgn2_6/prodata/1/paa/US110 COMB.pap:US-10-675-685-3
41: /cgn2_6/prodata/1/paa/US111 COMB.pap:US-10-675-685-3
42: /cgn2_6/prodata/1/paa/US112 COMB.pap:US-10-675-685-3
43: /cgn2_6/prodata/1/paa/US114 COMB.pap:US-10-675-685-3
44: /cgn2_6/prodata/1/paa/US600 COMB.pap:US-10-675-685-3
45: /cgn2_6/prodata/1/paa/US601 COMB.pap:US-10-675-685-3
46: /cgn2_6/prodata/1/paa/US602 COMB.pap:US-10-675-685-3
47: /cgn2_6/prodata/1/paa/US603 COMB.pap:US-10-675-685-3
48: /cgn2_6/prodata/1/paa/US604 COMB.pap:US-10-675-685-3
49: /cgn2_6/prodata/1/paa/US605 COMB.pap:US-10-675-685-3
50: /cgn2_6/prodata/1/paa/US606 COMB.pap:US-10-675-685-3
51: /cgn2_6/prodata/1/paa/US607 COMB.pap:US-10-675-685-3

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query

No.	Score	Match	Length	DB	ID	Description
1	9524	98.2	1791	36	US-10-675-685-3	Sequence 3, Appli
ALIGNMENTS						
RESULT 1						
US-10-675-685-3						
; Sequence 3, Application US/10675685						
; GENERAL INFORMATION:						
; APPLICANT: Gu, Yizhong						
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E						
; FILE REFERENCE: PB0114						
; CURRENT APPLICATION NUMBER: US/10/675,685						
; CURRENT FILING DATE: 2003-09-30						
; PRIOR APPLICATION NUMBER: US 60/207,456						
; PRIOR FILING DATE: 2000-05-26						
; PRIOR APPLICATION NUMBER: US 60/236,359						
; PRIOR FILING DATE: 2000-09-27						
; NUMBER OF SEQ ID NOS: 1881						
; SOFTWARE: Aomica Sequence Listing Engine						
; SEQ ID NO 3						
; LENGTH: 1791						
; TYPE: PRT						
; ORGANISM: Homo sapiens						
US-10-675-685-3						
Query Match 98.2%; Score 9524; DB 36; Length 1791;						
Best Local Similarity 100.0%; Pred. No. 0;						
Matches 1734; Conservative 0; Mismatches 0; Indels 0; Gaps 0;						
Qy	1	MMCLKILRLSLAILAGWALCSANSELGWTWKKSLSVERHLNQVLLRGERCWLGA	60			
Db	1	MMCLKILRLSLAILAGWALCSANSELGWTWKKSLSVERHLNQVLLRGERCWLGA	60			
Qy	61	ASPHQLFGVYPSRAGNYLRYPVGSQEIHTHGRSKPDTEGNVSLVPPDLTENPAGLR	120			
Db	61	ASPHQLFGVYPSRAGNYLRYPVGSQEIHTHGRSKPDTEGNVSLVPPDLTENPAGLR	120			
Qy	121	AVEEPAAPWGDSPICGSELLGDDDAYLGNORSKESIGEAGIOKGSAMAATTTT	180			
Db	121	AVEEPAAPWGDSPICGSELLGDDDAYLGNORSKESIGEAGIOKGSAMAATTTT	180			
Qy	181	NEPKETORRGWAKSROROVWKRRAEDGSGISSHFQFPWKSLKHKVKKSPPEESN	240			
Db	181	NEPKETORRGWAKSROROVWKRRAEDGSGISSHFQFPWKSLKHKVKKSPPEESN	240			
Qy	241	QNGEGSYREAEFTNSQVGLPILYFSGRRRLRLRPEVLAEIPREAPTVKATILISHRYQ	300			
Db	241	QNGEGSYREAEFTNSQVGLPILYFSGRRRLRLRPEVLAEIPREAPTVKATILISHRYQ	300			
Qy	301	NPAILIAGVFNCSHTVSDKGMALIGSKDKGRDARFFSLCTDRVKKATILISHRYQ	360			
Db	301	NPAILIAGVFNCSHTVSDKGMALIGSKDKGRDARFFSLCTDRVKKATILISHRYQ	360			
Qy	361	PGTWTHTVAATYDGRHMAIYVDGTQVASSLQSGPLNSPFPMASCRSLLLGDSSE	420			
Db	361	PGTWTHTVAATYDGRHMAIYVDGTQVASSLQSGPLNSPFPMASCRSLLLGDSSE	420			
Qy	421	GHGLTTLVFWSTALPQSHFQHSQHSSEEEATDLVLTASPEPNTWVPRDEKYP	480			
Db	421	GHGLTTLVFWSTALPQSHFQHSQHSSEEEATDLVLTASPEPNTWVPRDEKYP	480			
Qy	481	LOQFEPEPELTLSPLOPPLCGQTVCDNVLLISQVNGYWPFLRGEKVIYQVNNI	540			
Db	481	LOQFEPEPELTLSPLOPPLCGQTVCDNVLLISQVNGYWPFLRGEKVIYQVNNI	540			
Qy	541	IVSEEQIRLQHEALNEAFSRYNISWQLSVQVHVNSTLRHRVVLVNCPEPSKI	600			
Db	541	IVSEEQIRLQHEALNEAFSRYNISWQLSVQVHVNSTLRHRVVLVNCPEPSKI	600			

Qy	601	EHLPTGYDGGDCRQGRYCSWNRDGLCHVECNMNLNDFDGDCCDPQVADVRKTCFDPD	660
Db			
Qy	601	EHLPTGYDGGDCRQGRYCSWNRDGLCHVECNMNLNDFDGDCCDPQVADVRKTCFDPD	660
Db			
Qy	661	SPKRAYMSVKELKEALQANSTHPLNTYFASSVREDLAGAATWPDWDKAVTHLGGIVLSPA	720
Db			
Qy	661	SPKRAYMSVKELKEALQANSTHPLNTYFASSVREDLAGAATWPDWDKAVTHLGGIVLSPA	720
Db			
Qy	721	YGMGPCHTDTMIEVGHVGLGLYHVFVGVSRERSCNDPCKETVPSMETGDLCAATPTPKS	780
Db			
Qy	721	YGMGPCHTDTMIEVGHVGLGLYHVFVGVSRERSCNDPCKETVPSMETGDLCAATPTPKS	780
Db			
Qy	781	ELCREPEPTSDTCGFRFCAGPTNTYMSYTDNCTNFTPNQVARMCHYLDLYVQWMTES	840
Db			
Qy	781	ELCREPEPTSDTCGFRFCAGPTNTYMSYTDNCTNFTPNQVARMCHYLDLYVQWMTES	840
Db			
Qy	841	RKPTPIPIPMVIGOTNKSITLHMLPPIISGVVYDRASGSLCGACTEDGTFRQVHTASSR	900
Db			
Qy	841	RKPTPIPIPMVIGOTNKSITLHMLPPIISGVVYDRASGSLCGACTEDGTFRQVHTASSR	900
Db			
Qy	901	RYCDSSGYWTPBEAVGPPDVDPCEPSLOAWSPEVHLVHMNMTPVPCPTGCSLELLFQHP	960
Db			
Qy	901	RYCDSSGYWTPBEAVGPPDVDPCEPSLOAWSPEVHLVHMNMTPVPCPTGCSLELLFQHP	960
Db			
Qy	961	VQADTLTLVWTSFFMESSQVLFDETEILLENKGSVHLGPILOTFCDIPLTIKLHVDGKVG	1020
Db			
Qy	961	VQADTLTLVWTSFFMESSQVLFDETEILLENKGSVHLGPILOTFCDIPLTIKLHVDGKVG	1020
Db			
Qy	1021	KVYTFDERLEIDAALTSOPHSPGLSCGCRPVQVLRDPPFASGLPVVTHSHRKEFTDVE	1080
Db			
Qy	1021	KVYTFDERLEIDAALTSOPHSPGLSCGCRPVQVLRDPPFASGLPVVTHSHRKEFTDVE	1080
Db			
Qy	1081	VTPGQMYQVLAELAGGELGEASPLNHLIHGAPYCGDKGVSRBEGCEDDGLVSDGGS	1140
Db			
Qy	1081	VTPGQMYQVLAELAGGELGEASPLNHLIHGAPYCGDKGVSRBEGCEDDGLVSDGGS	1140
Db			
Qy	1141	KVCELEEGNCGVBERSLCHMYGSDGICEPFRKTSIVDCGITYPKYGLQWATRAYSSHE	1200
Db			
Qy	1141	KVCELEEGNCGVBERSLCHMYGSDGICEPFRKTSIVDCGITYPKYGLQWATRAYSSHE	1200
Db			
Qy	1201	DKKCPVSLVTEGPHSLICTSYHPDLNHRPLTGMPFPCVASENETODDSEPEGSLLKKE	1260
Db			
Qy	1201	DKKCPVSLVTEGPHSLICTSYHPDLNHRPLTGMPFPCVASENETODDSEPEGSLLKKE	1260
Db			
Qy	1261	DEVWLKVCNRRPGEARAIFILTTDGLVPEGHQOQPTVTLVLDVGRSNHSLGTYGLSCQH	1320
Db			
Qy	1261	DEVWLKVCNRRPGEARAIFILTTDGLVPEGHQOQPTVTLVLDVGRSNHSLGTYGLSCQH	1320
Db			
Qy	1321	NPLIINVTTHQNVLFHHTTSVLNPNSSPRVGISAVALTSSRIGLSAPNCSISEDEGQNH	1380
Db			
Qy	1321	NPLIINVTTHQNVLFHHTTSVLNPNSSPRVGISAVALTSSRIGLSAPNCSISEDEGQNH	1380
Db			
Qy	1381	OQSQCIHRPCGQKQDCPSLLLDHADVNVCTSIGRGLMKCAITCORGALQASGGQYIRPM	1440
Db			
Qy	1381	OQSQCIHRPCGQKQDCPSLLLDHADVNVCTSIGRGLMKCAITCORGALQASGGQYIRPM	1440
Db			
Qy	1441	QKEILLTCSGSHWDQNVSLCPVDCGVPDPSLVNYANFSCSEGTGKFKRCSISCVPPAKLQ	1500
Db			
Qy	1441	QKEILLTCSGSHWDQNVSLCPVDCGVPDPSLVNYANFSCSEGTGKFKRCSISCVPPAKLQ	1500
Db			
Qy	1501	GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTIKYCKPKGY	1560
Db			
Qy	1501	GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTIKYCKPKGY	1560
Db			
Qy	1561	VVAESAEGKVRNKLKIOCLEGGIWEQSGCIPVCEPPPPVEGMEYCTNGFSLSQCVL	1620
Db			
Qy	1561	VVAESAEGKVRNKLKIOCLEGGIWEQSGCIPVCEPPPPVEGMEYCTNGFSLSQCVL	1620
Db			
Qy	1621	NCNQERELPLITCKTEGLWTQBFKLCENLQSGCPEPPPPSELNSVEYKCEGYGIGAVCSPL	1680
Db			
Qy	1621	NCNQERELPLITCKTEGLWTQBFKLCENLQSGCPEPPPPSELNSVEYKCEGYGIGAVCSPL	1680
Db			

Qy 1681 CVIPSPDPVNLPNITADTLEHWMPEVKQSVICTGRQWHPDPVLVHCITQSC 1734
Db 1681 CVIPSPDPVNLPNITADTLEHWMPEVKQSVICTGRQWHPDPVLVHCITQSC 1734

Search completed: February 3, 2006, 15:11:01
Job time : 1.11531 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:10:59 ; Search time 0.872716 Seconds
(without alignments)
2.842 Million cell updates/sec

Title: US-10-675-685-16
Perfect score: 7617
Sequence: 1 MMCKILRISLAILAGWALC.....AADCDLDECTCRDPKAEENQ 1385

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 1791 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1 summaries

Database : Pending Patents_AA_Main:US-10-675-685-3

1: /cgn2_6/ptodata/1/paa/PCTUS_COMB.pap:US-10-675-685-3
2: /cgn2_6/ptodata/1/paa/US066_COMB.pap:US-10-675-685-3
3: /cgn2_6/ptodata/1/paa/US073_COMB.pap:US-10-675-685-3
4: /cgn2_6/ptodata/1/paa/US074_COMB.pap:US-10-675-685-3
5: /cgn2_6/ptodata/1/paa/US075_COMB.pap:US-10-675-685-3
6: /cgn2_6/ptodata/1/paa/US076_COMB.pap:US-10-675-685-3
7: /cgn2_6/ptodata/1/paa/US077_COMB.pap:US-10-675-685-3
8: /cgn2_6/ptodata/1/paa/US078_COMB.pap:US-10-675-685-3
9: /cgn2_6/ptodata/1/paa/US079_COMB.pap:US-10-675-685-3
10: /cgn2_6/ptodata/1/paa/US080_COMB.pap:US-10-675-685-3
11: /cgn2_6/ptodata/1/paa/US081_COMB.pap:US-10-675-685-3
12: /cgn2_6/ptodata/1/paa/US082_COMB.pap:US-10-675-685-3
13: /cgn2_6/ptodata/1/paa/US083_COMB.pap:US-10-675-685-3
14: /cgn2_6/ptodata/1/paa/US084_COMB.pap:US-10-675-685-3
15: /cgn2_6/ptodata/1/paa/US085_COMB.pap:US-10-675-685-3
16: /cgn2_6/ptodata/1/paa/US086_COMB.pap:US-10-675-685-3
17: /cgn2_6/ptodata/1/paa/US087_COMB.pap:US-10-675-685-3
18: /cgn2_6/ptodata/1/paa/US088_COMB.pap:US-10-675-685-3
19: /cgn2_6/ptodata/1/paa/US089_COMB.pap:US-10-675-685-3
20: /cgn2_6/ptodata/1/paa/US090_COMB.pap:US-10-675-685-3
21: /cgn2_6/ptodata/1/paa/US091_COMB.pap:US-10-675-685-3
22: /cgn2_6/ptodata/1/paa/US092_COMB.pap:US-10-675-685-3
23: /cgn2_6/ptodata/1/paa/US093_COMB.pap:US-10-675-685-3
24: /cgn2_6/ptodata/1/paa/US094_COMB.pap:US-10-675-685-3
25: /cgn2_6/ptodata/1/paa/US095_COMB.pap:US-10-675-685-3
26: /cgn2_6/ptodata/1/paa/US096_COMB.pap:US-10-675-685-3
27: /cgn2_6/ptodata/1/paa/US097_COMB.pap:US-10-675-685-3
28: /cgn2_6/ptodata/1/paa/US098_COMB.pap:US-10-675-685-3
29: /cgn2_6/ptodata/1/paa/US099_COMB.pap:US-10-675-685-3
30: /cgn2_6/ptodata/1/paa/US100_COMB.pap:US-10-675-685-3
31: /cgn2_6/ptodata/1/paa/US101_COMB.pap:US-10-675-685-3
32: /cgn2_6/ptodata/1/paa/US102_COMB.pap:US-10-675-685-3
33: /cgn2_6/ptodata/1/paa/US103_COMB.pap:US-10-675-685-3
34: /cgn2_6/ptodata/1/paa/US104_COMB.pap:US-10-675-685-3
35: /cgn2_6/ptodata/1/paa/US105_COMB.pap:US-10-675-685-3
36: /cgn2_6/ptodata/1/paa/US106_COMB.pap:US-10-675-685-3

37: /cgn2_6/ptodata/1/paa/US107_COMB.pap:US-10-675-685-3
38: /cgn2_6/ptodata/1/paa/US108_COMB.pap:US-10-675-685-3
39: /cgn2_6/ptodata/1/paa/US109_COMB.pap:US-10-675-685-3
40: /cgn2_6/ptodata/1/paa/US110_COMB.pap:US-10-675-685-3
41: /cgn2_6/ptodata/1/paa/US111_COMB.pap:US-10-675-685-3
42: /cgn2_6/ptodata/1/paa/US112_COMB.pap:US-10-675-685-3
43: /cgn2_6/ptodata/1/paa/US114_COMB.pap:US-10-675-685-3
44: /cgn2_6/ptodata/1/paa/US600_COMB.pap:US-10-675-685-3
45: /cgn2_6/ptodata/1/paa/US601_COMB.pap:US-10-675-685-3
46: /cgn2_6/ptodata/1/paa/US602_COMB.pap:US-10-675-685-3
47: /cgn2_6/ptodata/1/paa/US603_COMB.pap:US-10-675-685-3
48: /cgn2_6/ptodata/1/paa/US604_COMB.pap:US-10-675-685-3
49: /cgn2_6/ptodata/1/paa/US605_COMB.pap:US-10-675-685-3
50: /cgn2_6/ptodata/1/paa/US606_COMB.pap:US-10-675-685-3
51: /cgn2_6/ptodata/1/paa/US607_COMB.pap:US-10-675-685-3

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	7351	96.5	1791	36	US-10-675-685-3 Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-10-675-685-3
; Sequence 3. Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-3

Query Match	96.5%;	Score 7351;	DB 36;	Length 1791;
Best Local Similarity	76.3%;	Pred. No. 0;		
Matches 1377;	Conservative	1;	Mismatches	7; Indels 406; Gaps 1;
QY	1	MMCKILIRISLAILAGWALCSANSELGWTRKKSILVERHLNQVLLGGERCWLGA	RRPR	60
DB	1	MMCKILIRISLAILAGWALCSANSELGWTRKKSILVERHLNQVLLGGERCWLGA	RRPR	60
QY	61	ASQPHLFGVYPSRAGNYLRYPYVGQEIHTHGRSKPDTGEGNAVSLVPPDLTENP	AGLRG	120
DB	61	ASQPHLFGVYPSRAGNYLRYPYVGQEIHTHGRSKPDTGEGNAVSLVPPDLTENP	AGLRG	120
QY	121	AVEEPAAPVGDSPIGQSELLGDDDAYLGNQRKESLGEAGIOKGSAMAATTIT	FTTL	180
DB	121	AVEEPAAPVGDSPIGQSELLGDDDAYLGNQRKESLGEAGIOKGSAMAATTIT	FTTL	180
QY	181	NEPKPQRRGWAQRORQVWKRRAEDGQDGSIGSHFQWPWKHSLKHGVKKSPP	EEEN	240
DB	181	NEPKPQRRGWAQRORQVWKRRAEDGQDGSIGSHFQWPWKHSLKHGVKKSPP	EEEN	240

QY	241	QNGGSGSYREAEFTNSQVGLPILYFSGRHRLRLRPVLAETPREAFTVEAWKPEGON	300
DB	241	QNGGSGSYREAEFTNSQVGLPILYFSGRHRLRLRPVLAETPREAFTVEAWKPEGON	300
QY	301	NPALIA-----	306
DB	301	NPALIA-----	306
QY	307	-----	306
DB	307	-----	306
QY	361	PGTWTHTAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDSSE	GHYFR 420
DB	361	PGTWTHTAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMASCRSLLLGDSSE	GHYFR 420
QY	307	-----	306
DB	307	-----	306
QY	421	GHLGLTLMFMTALPOSHFQHSQSSSEBEATDLVLTASFEPVNTWVPFRDEKYP	RLREV 480
DB	421	GHLGLTLMFMTALPOSHFQHSQSSSEBEATDLVLTASFEPVNTWVPFRDEKYP	RLREV 480
QY	307	-----	306
DB	307	-----	306
QY	481	LOGFEPEPEILSPLOPPLCGQTVCDNVELISQYGYWPLRGEKVIQYQVNVICD	DGLNP 540
DB	481	LOGFEPEPEILSPLOPPLCGQTVCDNVELISQYGYWPLRGEKVIQYQVNVICD	DGLNP 540
QY	307	-----	306
DB	307	-----	306
QY	541	IVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHVRVVLVNCPEPSK	IGNHDCDEP 600
DB	541	IVSEEQIRLQHEALNEAFSRYNISWQLSVHQVHNSTLRHVRVVLVNCPEPSK	IGNHDCDEP 600
QY	307	-----	306
DB	307	-----	306
QY	601	EHLPTGYDGGDCRLQRCYSWMNRDGLCHVECNMNLNDFDDGDCDPOVADV	KTCFDPD 660
DB	601	EHLPTGYDGGDCRLQRCYSWMNRDGLCHVECNMNLNDFDDGDCDPOVADV	KTCFDPD 660
QY	307	-----	306
DB	307	-----	306
QY	661	SPKRAYMSVKELKEALQLNSTHFLNIYPASSVREDLAGAATWPDKDAVTHL	GGIVLSPA 720
DB	661	SPKRAYMSVKELKEALQLNSTHFLNIYPASSVREDLAGAATWPDKDAVTHL	GGIVLSPA 720
QY	315	YCYMPGHTDTMIHEVGHVGLGTHVFKGVSERSCNDPCKETVPSMETGDL	CADTATPKS 374
DB	315	YCYMPGHTDTMIHEVGHVGLGTHVFKGVSERSCNDPCKETVPSMETGDL	CADTATPKS 374
QY	721	YCYMPGHTDTMIHEVGHVGLGTHVFKGVSERSCNDPCKETVPSMETGDL	CADTATPKS 780
DB	721	YCYMPGHTDTMIHEVGHVGLGTHVFKGVSERSCNDPCKETVPSMETGDL	CADTATPKS 780
QY	375	ELCREPEPTSDTCGTRFPFGAPFTNYMSYTDNCTDNFTNQNARMHCYLDL	VYQWTES 434
DB	375	ELCREPEPTSDTCGTRFPFGAPFTNYMSYTDNCTDNFTNQNARMHCYLDL	VYQWTES 434
QY	781	ELCREPEPTSDTCGTRFPFGAPFTNYMSYTDNCTDNFTNQNARMHCYLDL	VYQWTES 840
DB	781	ELCREPEPTSDTCGTRFPFGAPFTNYMSYTDNCTDNFTNQNARMHCYLDL	VYQWTES 840
QY	435	RKPTPIPIPPMVGITQNKSLTIHWPPIISGVVYDRASGLCGACTEDGTFR	QVHTASSR 494
DB	435	RKPTPIPIPPMVGITQNKSLTIHWPPIISGVVYDRASGLCGACTEDGTFR	QVHTASSR 494
QY	841	RKPTPIPIPPMVGITQNKSLTIHWPPIISGVVYDRASGLCGACTEDGTFR	QVHTASSR 900
DB	841	RKPTPIPIPPMVGITQNKSLTIHWPPIISGVVYDRASGLCGACTEDGTFR	QVHTASSR 900
QY	495	RVCDSGYWTPEAVGPPDQPCPSLQAWSPEVHLHYHNMVTPCPTGCSLELL	FOHP 554
DB	495	RVCDSGYWTPEAVGPPDQPCPSLQAWSPEVHLHYHNMVTPCPTGCSLELL	FOHP 554
QY	901	RVCDSGYWTPEAVGPPDQPCPSLQAWSPEVHLHYHNMVTPCPTGCSLELL	FOHP 960
DB	901	RVCDSGYWTPEAVGPPDQPCPSLQAWSPEVHLHYHNMVTPCPTGCSLELL	FOHP 960
QY	555	VOADTLTLWTSFFMESSQVLPDTEILLENKESVHLGPDFTFCDIPLTIK	LHVDGKVSQV 614
DB	555	VOADTLTLWTSFFMESSQVLPDTEILLENKESVHLGPDFTFCDIPLTIK	LHVDGKVSQV 614
QY	961	VOADTLTLWTSFFMESSQVLPDTEILLENKESVHLGPDFTFCDIPLTIK	LHVDGKVSQV 1020
DB	961	VOADTLTLWTSFFMESSQVLPDTEILLENKESVHLGPDFTFCDIPLTIK	LHVDGKVSQV 1020
QY	615	KVYTFDERIEIDAALTSQPHSLCSCGRPVRYQVLRDPPFASGLPVVVTSH	RKFTDVE 674
DB	615	KVYTFDERIEIDAALTSQPHSLCSCGRPVRYQVLRDPPFASGLPVVVTSH	RKFTDVE 674
QY	1021	KVYTFDERIEIDAALTSQPHSLCSCGRPVRYQVLRDPPFASGLPVVVTSH	RKFTDVE 1080
DB	1021	KVYTFDERIEIDAALTSQPHSLCSCGRPVRYQVLRDPPFASGLPVVVTSH	RKFTDVE 1080
QY	675	VTPQMYQVQLAAGAGELGEASPLNHTHGAPYCGDKGVSEBEGECDDGLV	SGDGS 734
DB	675	VTPQMYQVQLAAGAGELGEASPLNHTHGAPYCGDKGVSEBEGECDDGLV	SGDGS 734
QY	1081	VTPQMYQVQLAAGAGELGEASPLNHTHGAPYCGDKGVSEBEGECDDGLV	SGDGS 1140
DB	1081	VTPQMYQVQLAAGAGELGEASPLNHTHGAPYCGDKGVSEBEGECDDGLV	SGDGS 1140
QY	735	KVCELEEGFNCVGEPSLCYMGEDGICBPFERKTSIVDCGIYTPKGYLDQ	WATRAYSSHE 794
DB	735	KVCELEEGFNCVGEPSLCYMGEDGICBPFERKTSIVDCGIYTPKGYLDQ	WATRAYSSHE 794
QY	1141	KVCELEEGFNCVGEPSLCYMGEDGICBPFERKTSIVDCGIYTPKGYLDQ	WATRAYSSHE 1200
DB	1141	KVCELEEGFNCVGEPSLCYMGEDGICBPFERKTSIVDCGIYTPKGYLDQ	WATRAYSSHE 1200
QY	795	DKKCCPVSLVTGEPHSLIRTSYHPDLPHNRPLTGWFFPCVASENETQD	DRSEQEGLKKE 854
DB	795	DKKCCPVSLVTGEPHSLIRTSYHPDLPHNRPLTGWFFPCVASENETQD	DRSEQEGLKKE 854
QY	1201	DKKCCPVSLVTGEPHSLIRTSYHPDLPHNRPLTGWFFPCVASENETQD	DRSEQEGLKKE 1260
DB	1201	DKKCCPVSLVTGEPHSLIRTSYHPDLPHNRPLTGWFFPCVASENETQD	DRSEQEGLKKE 1260
QY	855	DEVWLKVCNRPGEARAIIFLITDGLVGEHQPTVTLTLDVGRSNISLGT	YGLSCQH 914
DB	855	DEVWLKVCNRPGEARAIIFLITDGLVGEHQPTVTLTLDVGRSNISLGT	YGLSCQH 914
QY	1261	DEVWLKVCNRPGEARAIIFLITDGLVGEHQPTVTLTLDVGRSNISLGT	YGLSCQH 1320
DB	1261	DEVWLKVCNRPGEARAIIFLITDGLVGEHQPTVTLTLDVGRSNISLGT	YGLSCQH 1320
QY	915	NPLIINVTTHQNVLPRTHTSVLLNFSSPRVGI3AVALRTSSRIGLSAPS	NCISEDEQNH 974
DB	915	NPLIINVTTHQNVLPRTHTSVLLNFSSPRVGI3AVALRTSSRIGLSAPS	NCISEDEQNH 974

Db	1321	NPLIINVTHQNVLPFHHTTSVLPNFSSPRVGISAVALTSSRIGLSAPSNCSISEDEQNH	1380
Qy	975	QGOSCIHRPCGKQDSCPSLLLDHADVVNCTSIGPGLMKCATTCORGFALQASSEQYIRLM	1034
Db	1381	QGOSCIHRPCGKQDSCPSLLLDHADVVNCTSIGPGLMKCAITCORGFALQASSEQYIRPM	1440
Qy	1035	QKEILLTCSGHWQNVCLPVDGVPDPSLVNYANFSCSEGTGKFLKRCISICVPPAKLQ	1094
Db	1441	QKEILLTCSGHWQNVCLPVDGVPDPSLVNYANFSCSEGTGKFLKRCISICVPPAKLQ	1500
Qy	1095	GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHDTVGTICKYECKPGY	1154
Db	1501	GLSPWLTCLDGLWSLPEVYCKLECDAPPIILNANLLPHCLQDNHDTVGTICKYECKPGY	1560
Qy	1155	YVAESAEGKVRNKLKIQCLEGGIWEQGSQIPVVCPEPPPPVFEQMYECTNGFSLDSQCVL	1214
Db	1561	YVAESAEGKVRNKLKIQCLEGGIWEQGSQIPVVCPEPPPPVFEQMYECTNGFSLDSQCVL	1620
Qy	1215	NCNQEREKLPILCTKEGLWTQBFKLCENLQGECPPPPSBELNSVEYKCEQYGIGAVCSPL	1274
Db	1621	NCNQEREKLPILCTKEGLWTQBFKLCENLQGECPPPPSBELNSVEYKCEQYGIGAVCSPL	1680
Qy	1275	CVIPSPDPVMLPENITADTLEHWMPEVKVQSIQVCTGRROWHDPDVLVHCIQSCPEPQADG	1334
Db	1681	CVIPSPDPVMLPENITADTLEHWMPEVKVQSIQVCTGRROWHDPDVLVHCIQSCPEPQADG	1740
Qy	1335	WCDTINNRAYCHVDGDCSCSSTLSSKKVIPFAADCDLDECTCRDPKAEHQ	1385
Db	1741	WCDTINNRAYCHVDGDCSCSSTLSSKKVIPFAADCDLDECTCRDPKAEHQ	1791

Search completed: February 3, 2006, 15:11:04
Job time : 3.87272 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 3, 2006, 15:16:21 ; Search time 0.001 Seconds
(without alignments)
1.064 Million cell updates/sec

Title: US-10-675-685-7

Perfect score: 94
Sequence: 1 MMCLKILRISLAILAGWAL 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 56 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 2 summaries

Database : US10675685_2.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	21.3	20	1 US-10-675-685-18	Sequence 18, Appl
2	14	14.9	36	1 US-10-675-685-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-10-675-685-18
; Sequence 18, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 18
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-18

Query Match 21.3%; Score 20; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 0;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 12 AILAG 16
||:|
Db 6 AIIAG 10

RESULT 2
US-10-675-685-14
; Sequence 14, Application US/10675685
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 14
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-14

Query Match 14.9%; Score 14; DB 1; Length 36;
Best Local Similarity 28.6%; Pred. No. 0;
Matches 2; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

OY 11 LAILAGW 17
:|:|
Db 28 VALPSRW 34

Search completed: February 3, 2006, 15:16:22
Job time : 0.001 secs